

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MALT1 in Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # MALT1-C
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Recombinant human MALT1 Asp701-Thr808 Accession # Q9UDY8
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

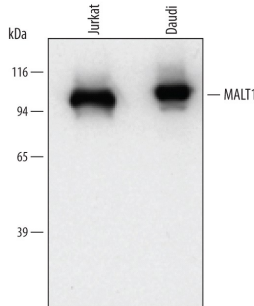
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below
Simple Western	10 µg/mL	See Below

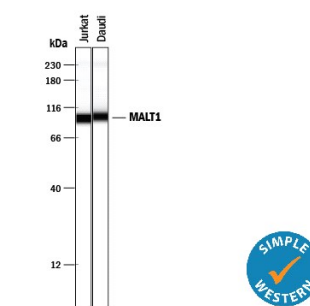
DATA

Western Blot



Detection of Human MALT1 by Western Blot.
Western blot shows lysates of Jurkat human acute T cell leukemia cell line and Daudi human Burkitt's lymphoma cell line. PVDF membrane was probed with 1 µg/mL of Mouse Anti-Human MALT1 Monoclonal Antibody (Catalog # MAB4850) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for MALT1 at approximately 100 kDa (as indicated). This experiment was conducted under reducing conditions and using [Immunoblot Buffer Group 2](#).

Simple Western



Detection of Human MALT1 by Simple Western™. Simple Western lane view shows lysates of Jurkat human acute T cell leukemia cell line and Daudi human Burkitt's lymphoma cell line, loaded at 0.2 mg/mL. A specific band was detected for MALT1 at approximately 98 kDa (as indicated) using 10 µg/mL of Mouse Anti-Human MALT1 Monoclonal Antibody (Catalog # MAB4850). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Mucosa-associated lymphoid tissue lymphoma translocation protein 1 (MALT1) is an approximately 91 kDa intracellular adaptor protein that forms a complex with Bcl10 and CARMA-1. The caspase-like domain of MALT1 cleaves Bcl10 and the NFκB inhibitor A20. This results in NFκB activation following signal transduction from cell surface ITAM-containing receptors including the T cell and B cell antigen receptors. Human MALT1 shares 87% aa sequence identity with mouse and rat MALT1.